## EAST Search History

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6010592").PN.	USPAT	OR	OFF	2006/07/24 16:22
S2	3	("3042481"   "3619429"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 17:00
S3	300	425/425.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:14
S4	11	("6010592").URPN.	USPAT	OR	OFF	2006/09/25 09:30
S5	2	"6528554"	USPAT	OR	OFF	2006/09/25 09:30
S6	16	(*4213815"   "4226926"   *4264490"   *49935164"   *523892"   "5258413"   *5284625"   "55554441"   *5714256"   "5554441"   *5952251"   "5977257"   *6010592"   "6020277"   *6025437"   "6036467"). PN.	US-PCPUB; USPAT; USOCR	OR	OFF	2006/09/25 09:31
S7	1	("6528554").URPN.	USPAT	OR	OFF	2006/09/25 09:31
S8	282	425/174.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 13:21
S9	605	425/432.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:14
S10	512	425/456.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:14
S11	300	425/425.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:14
S12	271	S8 not (S9 or S10 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:15
S13	514	S9 not (S8 or S10 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 10:31
S14	429	S10 not (S8 or S9 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 11:33

S15	285	S11 not (S8 or S9 or S10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 11:36
S16	17	("5435712").URPN.	USPAT	OR	OFF	2006/09/25 10:25
S17	17	("5435712").URPN.	USPAT	OR	OFF	2006/09/25 10:25
S18	17	"5520870" "5132549"	USPAT	OR	OFF	2006/09/25 15:43
S19	247	264/443.cds.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/25 15:44
S20	10	("3246055").URPN.	USPAT	OR	OFF	2006/09/25 15:56
S21	12	("6010592").URPN.	USPAT	OR	OFF	2007/03/28 14:19
S22	1	("6528554").PN.	USPAT	OR	OFF	2007/09/27 14:22
S23	6	("5284625"   "6010592"   "6190601"   "6203747"   "6361733"   "6528554"). PN.	USPAT	OR	OFF	2007/09/27 14:22
S24	7	("4994220"   "5017311"   "5160466"   "5202066"   "5435712"   "5885495"   "5951928").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/28 13:22
S34	1	"20060165823"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/28 10:26
S35	1	"20060165832"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/28 10:29
S36	41	"4500280"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/28 10:29
S37	307	425/174.2.cols.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:22
S38	433	425/425.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:22
S39	938	425/432.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13: <b>2</b> 2
S40	696	425/456.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:23

S41	990	425/443.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:23
S42	293	S37 not (S38 or S39 or S40 or S41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:23
S43	410	S38 not (S37 or S39 or S40 or S41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:26
S44	784	S39 not (S37 or S38 or S40 or S41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:28
S45	597	S40 not (S37 or S38 or S39 or S41)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 13:30
S46	938	S41 not (S37 or S38 or S39 or S40)	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:22
S47	2	(("malefic acid") with resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:23
S48	16	(("malefic acid") and resin)	US-PCPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:24
S49	65679	(("maleic anhydride") and resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:24
S50	18328	(("maleic anhydride") with resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:24
S51	1471	((("maleic anhydride") near resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:24
S52	4	(("maleic anhydride") near (adhes\$5 and resin))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/28 14:24
S53	13	"6010592"	USPAT	OR	OFF	2007/11/25 15:53

S54	1	"JP03032813"	JPO	OR	OFF	2007/11/25 15:54
S55	0	"JP0332813"	JPO	OR	OFF	2007/11/25 15:56
S56	0	"JPO0332813"	JPO	OR	OFF	2007/11/25 15:56
S57	1	"JP03032813"	JPO	OR	OFF	2007/11/25 15:56
S58	0	"JP3032813"	JPO	OR	OFF	2007/11/25 15:56
S59	0	"JP0332813"	JPO	OR	OFF	2007/11/25 15:57
<b>S</b> 60	0	"JP 0332813 <b>A</b> "	JPO	OR	OFF	2007/11/25 15:57
S61	0	"JP0332813 <b>A</b> "	JPO	OR	OFF	2007/11/25 15:57
S62	0	"JP0332813 <b>A</b> "	JPO	OR	OFF	2007/11/25 15:57
S63	0	"JP0332813 <b>A</b> "	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:57
S64	0	"JP0332813"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:57
S65	0	"JP03032813 <b>A</b> "	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:57
S66	0	"JP03032813 <b>A</b> "	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:58
S67	1	"JP03032813"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 16:06
S68	17	("20030124211"   "20060165832"   "5202066"   "5284625"   "5435712"   "6010592"   "6190601"   "6203747"   "6528554").PN.	US-PCPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/25 16:06
S69	16	("2802237"   "3233012"   "3239881"   "3285442"   "3392224"   "3523147"   "3619429"   "3663668"   "4793954").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 16:08

S70	14	("5202066").URPN.	USPAT	OR	OFF	2007/11/25 16:17
S71	10	("3523147"   "3619429"   "3725314"   "3756518"   "4125578"   "5068068"   "5202066"   "5258413"   "5284625").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 16:21
S72	7	("5955035").URPN.	USPAT	OR	OFF	2007/11/25 16:21
S73	6	425/174.2.cds. and @pd> "20060101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/26 01:47
S74	5	425/425.cds. and @pd>"20060101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/26 01:47
S75	14	425/432.cds. and @pd> "20060101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/26 01:48
S76	14	425/456.cds. and @pd>"20060101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/26 01:48
S77	11	264/443.cds. and @pd>"20060101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/11/26 01:49
S78	5	425/174.2.ccls. and @pd>"20070101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/27 23:57
S79	5	425/425.cds. and @pd> "20070101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/27 23:58
S80	5	425/432.cds. and @pd> "20070101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/27 23:58
S81	9	425/456.cds. and @pd> "20070101"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/27 23:58
S82	3	"425"/\$.cds. and ((ultrasonic near horn) and (adhes\$4 with resin))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 00:00

S83	88	(((ultrasonic near horn) and (adhes\$4 with resin)) and (titanium or steel or duralamin))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 00:01
S84	88	(((ultrasonic near horn) and (adhes\$4 with resin)) and (titanium or steel or duralumin))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 00:02
S85	2	"425"/\$.cds. and ((((ultrasonic near horn) and (adhes\$4 with resin)) and (titanium or steel or duralumin))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 00:02
S86	13	"6010592"	USPAT	OR	OFF	2008/04/28 00:16
S87	1	"20060165832"	US-PGPUB	OR	OFF	2008/04/28 00:21
S88	38	(((ultrasonic near horn) and (adhes\$4 with resin)) and (titanium or steel) and extru\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 01:16
S89	19	(((ultrasonic near horn) with (titanium or steel)) and extru\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 01:17
S90	0	(((ultrasonic near horn) with (titanium or steel)) with extru\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/04/28 01:17
S91	18	("3523147"   "5284625"   "5955035"   "6010592"   "6190601"   "6203747"   "6361733"   "6528554"). PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/11/18 11:30
S92	7	("5955035").URPN.	USPAT	OR	OFF	2008/11/18 11:33
S93	13	("3523147"   "3619429"   "3726314"   "3756518"   "4125578"   "5068068"   "5202066"   "5258413"   "5284625"   "5799880"   "5955035"   "6095440"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:38
S94	28	("3619429").URPN.	USPAT	OR	OFF	2008/11/18 11:43
S95	10	("3523147"   "3619429"   "3725314"   "3756518"   "412578"   "5068068"   "5202066"   "5258413"   "5284625").PM.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:48

S96	18	("3523147").URPN.	USPAT	OR	OFF	2008/11/18 11:48
S97	18	("2009240"   "2408627"   "2738173"   "2802237"   "2843876"   "3042481"   "3071809"   "3456295"   "3461942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:49
S98	3	425/174.2.ccls. and @pd> "20080501"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:57
S99	2	425/432.cds. and @pd>"20080501"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:57
S100	2	425/456.ccls. and @pd> "20080501"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:57
S101	2	425/425.ccls. and @pd>"20080501"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 11:58
S102	11	(ultrasonic near horn) and ((resin) with (maleic near anhydride))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:01
S103	4622	(extrud\$5) and ((resin) with (maleic near anhydride))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:03
S104	1127	(extrud\$5) and ((resin) near3 (maleic near anhydride))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:03
S105	5	"425"/\$.cds. and (extrud \$5) and ((resin) near3 (maleic near anhydride))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:03
S106	1	(sand near blast\$4) with (sonotrode or (ultrasonic near horn))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:04
S107	1	(sand near blast\$4) with (sonotrode or (ultrasonic near horn))	EPO; JPO; DERWENT	OR	OFF	2008/11/18 12:05
S108	2	(sand near blast\$4) with (sonotrode or (ultrasonic near horn))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/18 12:06
S109	39	(sand near blast\$4) and (sonotrode or (ultrasonic near horn))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/18 12:06
S110	0	((resin) and (mix with (two near2 resins)) and interface and oozes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/11/18 12:58
S111	0	(mix with (two near2 resins)) and interface and oozes	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:58
S112	98	resins and interface and oozes	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 12:58

S113	5	resins and (interface with oozes)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:01
S114	17	resins and (interface with ooz\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:04
S115	11085	(mixture near3 resins)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:08
S116	44	(ooz\$4 near3 interface)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:09
S117	4	S116 and S115	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:09
S118	0	(thermoplastic near (ooz\$4 near interface))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:10
S119	0	(thermoplastics with (ooz \$4 near interface))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:10
S120	0	(thermoplastics with (ooz \$4 near3 interface))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:10
S121	0	(elastomers with (ooz\$4 near3 interface))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:11
S122	0	(mixture with (two with (resins or thermoplastics or elastomers))) with ooz \$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:11
S123	3	(two with (resins or thermoplastics or elastomers)) with ooz\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:11
S124	218	(two with (resins or thermoplastics or elastomers)) with interface	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:12
S125	11469	00 <b>z</b> \$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:12
S126	1	S125 and S124	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:12
S127	32869	feather\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:12
S128	146	S127 and S125	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:12
S129	2	S127 and S124	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/18 13:13

<sup>11/18/2008 3:15:52</sup> PM

 $\label{lem:commutation} {\tt C:\ Documents\ and\ Settings\ mewald\ My\ Documents\ EAST\ Workspaces\ ultrasonic\ vibration\ for\ extruded\ material.wsp}$